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SILAGE FEED BUNKS

... for cattle



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CURRENT SERIAL RECORDS

This plan presents ideas for the construction of four different bunks intended for feeding silage to dairy or beef cattle.

Three of the bunks are uncovered. The umbrella bunk shown here is constructed of wood with a roof to provide protection from sun and rain. The roof is supported by poles set in the ground on concrete footings. These poles, which also support one side of the bunk, should be pressure treated with a preservative. The corner poles indicated are located at the end bays only and are used mainly to stiffen the structure.

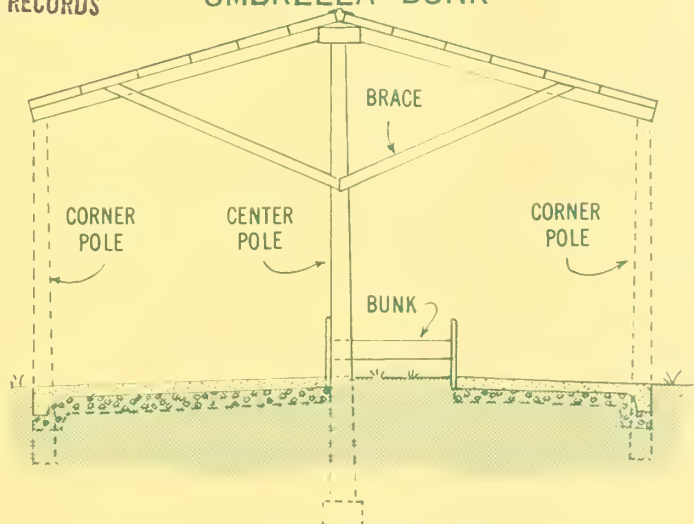
The reinforced concrete bunk has the bottom and lower sides made of concrete. The upper sides are made of 2- by 10-inch wood planks, pressure treated, and bolted to metal uprights.

The concrete bunk differs from the other three in that a 6- by 12-inch step-up is provided to elevate the front part of the animal while feeding.

The pole bunk is made of 2-inch lumber and is supported by pressure-treated poles set in the ground.

All bunks may be built in any desired length with the cattle feeding from both sides.

UMBRELLA BUNK



CROSS SECTION

Large scale working drawings may be obtained from the extension agricultural engineer at your State university. There may be a small charge to cover the cost of printing.

If you do not know the location of your State university, send your request to Agricultural Engineer, Federal Extension Service, U.S. Department of Agriculture, Washington, D.C. 20250. He will forward your request to the correct university.

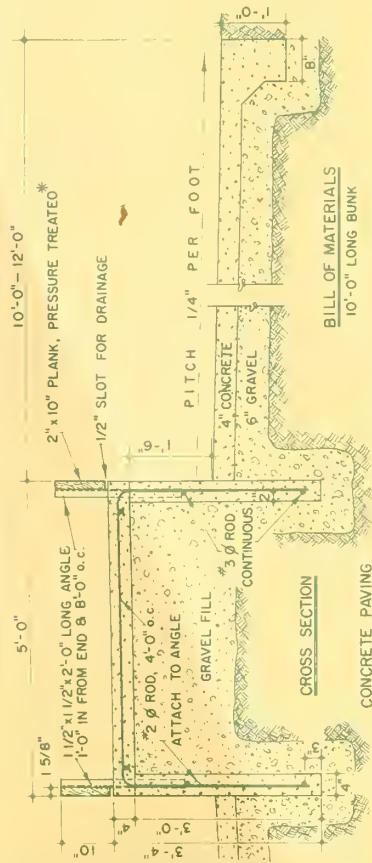
ORDER PLAN NO. 6012, SILAGE FEED BUNKS FOR CATTLE

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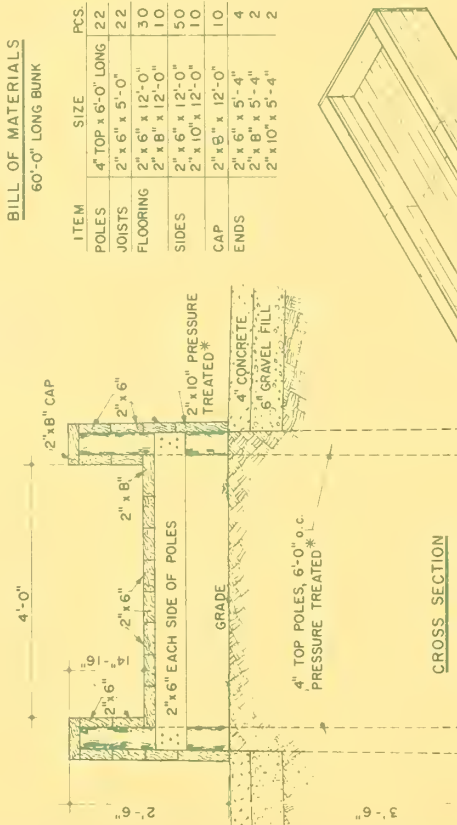


BILL OF MATERIALS
10'-0" LONG BUNK

ITEM	DESCRIPTION	AMOUNT
CONCRETE	BUNK - SIDES, BOTTOM	1.4 CU. YDS.
CONCRETE PAVING	12" WIDE - BOTH SIDES	375 CU. YDS.
PLANK	2" x 10" x 10'-0"	2
ANGLES	1 1/2" x 1 1/2" x 2'-0"	4
REINFORCING	* 3 Ø ROD	40 FEET
	* 2 Ø ROD	33 FEET
BOLTS	CARRIAGE 1/2" x 3"	8

- CROSS SECTION**
- CONCRETE PAVING
1. REMOVE ALL TOPSOIL AND ORGANIC MATERIAL PRIOR TO PLACEMENT OF GRAVEL FILL.
2. USE AIR-ENTRAINED CONCRETE TO REDUCE SCALING AND FROST ACTION ON THE SURFACE.

REINFORCED CONCRETE BUNK



BILL OF MATERIALS
60'-0" LONG BUNK

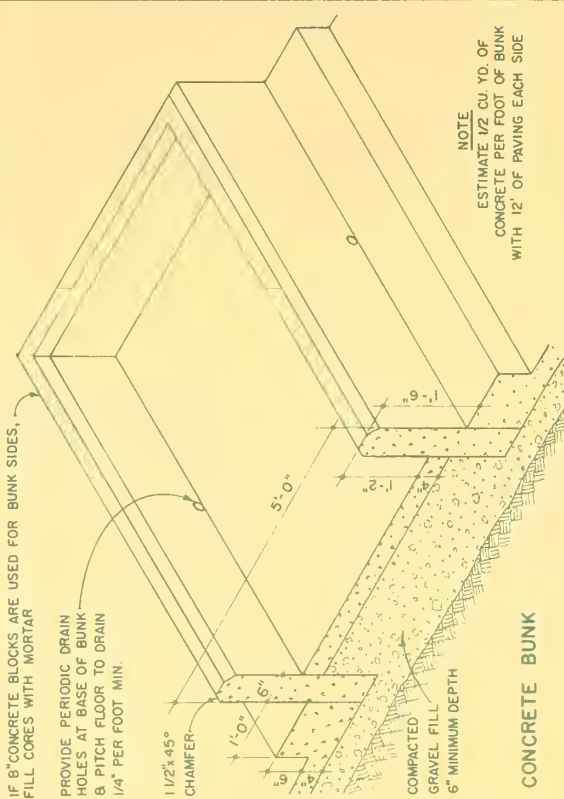
ITEM	SIZE	PCS.
POLES	4" TOP x 6'-0" LONG	22
JOISTS	2" x 6" x 5'-0"	22
FLOORING	2" x 6" x 12'-0"	30
SIDES	2" x 6" x 12'-0"	10
CAP	2" x 6" x 12'-0"	50
ENDS	2" x 8" x 12'-0"	10
	2" x 8" x 5'-4"	4
	2" x 10" x 5'-4"	2

CROSS SECTION

* PRESSURE-TREATED MATERIAL SHALL BE CONSTRUCTION GRADE DOUGLAS FIR OR EQUAL & SHALL BE PRESERVE-TREATED TO A PRESERVATIVE RETENTION OF 5-7 LBS. PER CUBIC FOOT AS PER A.W.F.A. STANDARDS

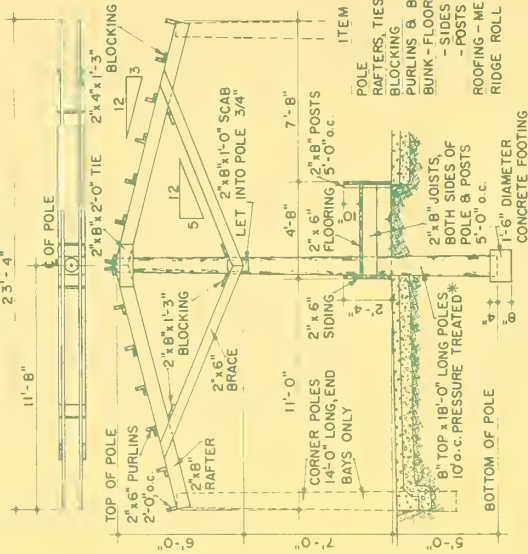
POLE BUNK

GENERAL VIEW
(END REMOVED)



NOTE:
ESTIMATE 1/2 CU. YD. OF CONCRETE PER FOOT OF BUNK WITH 12 OF PAVING EACH SIDE

CONCRETE BUNK



NOTE:
BUILD RAFTER-BRACE FRAME AS A UNIT BEFORE FASTENING TO POLES. BUILD ROOF PANELS AS A 12' x 10' UNIT.

BILL OF MATERIALS

10'-0" LONG BUNK

ITEM	SIZE	PCS.
POLE	8" TOP x 18'-0" LONG	1
RAFTERS, TIES, SCABS	2" x 8" x 12'-0"	5
BLOCKING	2" x 4" x 16'-0"	1
PURLINS & BRACES	2" x 6" x 10'-0"	18
BUNK - FLOOR	2" x 8" x 10'-0"	7
- SIDES	2" x 6" x 10'-0"	10
- POSTS & JOISTS	2" x 8" x 14'-0"	2
ROOFING - METAL	240 SQ. FT.	
RIDGE ROLL	10 LINEAL FT.	

CROSS SECTION

UMBRELLA BUNK

SILAGE FEED BUNKS

CONN '67 EX. 6012 SHEET 1 OF 1

